



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/705,380	11/10/2003	Jichen Wu	2011145	4332
7590 01/09/2008 Keith Kline PRO-TECHTOR INTERNATIONAL SERVICES 20775 Norada Court Saratoga, CA 95070-3018			EXAMINER GRANT II, JEROME	
			ART UNIT 2625	PAPER NUMBER
			MAIL DATE 01/09/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/705,380	Applicant(s) WU ET AL.	
	Examiner Jerome Grant II	Art Unit 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.



Detailed Action

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Hanada et al.

With respect to claim 1, Hanada teaches an image sensor module (described at col. 5, lines 4-8), comprising: a substrate 1a having an upper surface 9atahced to chip 2a) and a lower surface(attached to chip 2b and 2c), the upper surface formed with a plurality of second connected ends (3b and 3c); a photosensitive chip 2a arranged at the upper surface of the substrate, and electrically connected to the first connected ends (3a) by a plurality of wires (on a left and right side); a lens holder (see figure 1) formed with a penetrated hole at a center thereof, an internal thread (see figure 1) formed on the inner wall of the hole, the lens holder being mounted on the upper surface of the first substrate (see figure 1- the encapsulating chip 2a) to encapsulate the photosensitive chip (see member 4) and a lens barrel 6 arranged within the hole of the lens holder (see figure 1) and is formed with the external thread, which is screwed to the internal thread of the lens holder (see the zig-zag portions with respect to barrel 6 and holder 4, shown by figure 1, the lens barrel being formed with a chamber and an opening communicating the chamber, aspheric (6a) and transparent layer (5,8) are arranged within the chamber.

With respect to claim 2, Hanada teaches the infra-red filter 5.

With respect to claim 3, Hanada teaches a method for manufacturing an image sensor module (described at col. 5, lines 4-8) comprising the steps of: : providing a substrate 1a having an upper surface 9atahced to chip 2a) and a lower surface(attached to chip 2b and 2c), the upper surface formed with a plurality of second

connected ends (3b and 3c); providing a photosensitive chip 2a arranged at the upper surface of the substrate, and electrically connected to the first connected ends (3a) by a plurality of wires (on a left and right side); providing a lens holder (see figure 1) formed with a penetrated hole at a center thereof, an internal thread (see figure 1) formed on the inner wall of the hole, the lens holder being mounted on the upper surface of the first substrate (see figure 1- the encapsulating chip 2a) to encapsulate the photosensitive chip (see member 4); and providing a lens barrel 6 arranged within the hole of the lens holder (see figure 1) and is formed with the external thread, which is screwed to the internal thread of the lens holder (see the zig-zag portions with respect to barrel 6 and holder 4, shown by figure 1), the lens barrel being formed with a chamber and an opening communicating the chamber, aspheric (6a) and transparent layer (5,8) are arranged within the chamber.

Application/Control Number:
10/705,380
Art Unit: 2625

Page 5

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Grant II whose telephone number is 571-272-7463. The examiner can normally be reached on Mon.-Fri. from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Coles, can be reached on 571-272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

J. Grant II

